

CEMENT

AND

CEMENT MANUFACTURE

INCORPORATING "PORTLAND CEMENT"

Published by Concrete Publications Ltd., 20, Dartmouth Street, London, S.W.1.

INDEX to VOL. I, 1928, and VOL. II, 1929.

VOL. I, 1928.

	PAGE		PAGE
Agreement, Continental cement	4	Export trade, Portland cement	60
AUTHORS:		Fuel, Pulverised	84
Butler, D. B., Assoc.M.Inst.C.E., F.C.S., on		Fundamentals of Portland cement manufacture ...	57
Modern cement and modern cement testing,		Health, Effect of cement on	12
9 68; on Recent improvements in Portland		Imported cement	87
cement	112	Improvements in Portland cement, Recent, by	
Davis, A. C., M.I.Mech.E., M.Inst.C.E.I.,		D. B. Butler	112
F.C.S., on Portland cement of to-day and		Industry to-day. Portland cement, by A. C.	
to-morrow, 3; on Portland cement manufac-		Davis	105
ture, 30; on Early development of Portland		Kilns, Enlarged calcination zones in rotary, by	
cement manufacture, 75; on The Portland		Geoffrey Martin	101
cement industry to-day	105	Maintenance of cement plant, by Alfred B.	
Desch, Professor Cecil H., F.R.S., on Progress		Searle	97
in the cement industry	5	Manufacture, Early development of Portland	
Martin, Geoffrey, D.Sc., Ph.D., F.I.C., F.C.S.,		cement, by A. C. Davis	75
on Enlarged calcination zones in rotary kilns		Manufacture, Fundamentals of Portland cement ...	57
Searle, Alfred B., on Refractory materials in		Modern cement manufacture	32
cement works, 35; on The maintenance of		Modern cement and modern cement testing, by	
cement plant	97	D. B. Butler	9, 68
Stanger, R. H., Harry, A.M.Inst.C.E.,		Portland cement manufacture, by A. C. Davis ...	39
A.M.I.Mech.E., F.C.S., on The testing of		Portland cement of to-day and to-morrow, by	
Portland cement	13	A. C. Davis	3
BOOK REVIEWS:		Progress in the cement industry, by Professor	
Cements, Limes and Plasters, by E. C. Eckel ...	99	Scoti H. Desch	5
The Industrial Uses of Bauxite, by N. V. S.		Valves and Pumps for cement, steam-porting ...	84
Knibbs	16	Pump for cement, steam-porting	89
Calcination zones in rotary kilns, Enlarged, by		Refractory materials in cement works, by Alfred	
Geoffrey Martin	101	B. Searle	35
Continental cement agreement	4	Testing, Modern cement and modern cement, by	
Development of Portland cement manufacture,		D. B. Butler	9, 68
Early, by A. C. Davis	75	Testing of Portland cement, by R. H. Stanger ...	13
Driving of cement plant, Electrical	61	Transporting pump for cement	89
Dry process versus wet process in Portland		Wet process versus dry process in cement manu-	
cement manufacture	29	facture	20
Early development of Portland cement manufac-		NEW CEMENT WORKS (Illustrations, descriptions):	
ture, by A. C. Davis	75	Bevans Cement Works, Northfleet	21, 48, 69
Electrical driving of cement plant	61	Chinnor Cement and Lime Company	93
		Fabrik Portland Cementu "Grodzice"	17

VOL. II, 1929.

Air mixture in burning clinker, Effect of fuel ...	333	Dickson, S., F.C.S., on Tests for fineness of	
Aluminous cement, "Sickness" of certain con-		Portland cement	45
cretes of	283	Platzmann, Dr. C. R., on Calcium chloride and	
Analysis and estimation of raw materials for		cement, 89; on Experiments on cellular	
Portland cement, by A. C. Davis	119	cement mortars	263
Argentina, Portland cement in	332	Pooley, Henry, B.Sc., A.M.Inst.C.E.,	
AUTHORS:		A.M.I.Mech.E., F.C.S., on Dry and wet pro-	
Auld, S. J. M., O.B.E., M.C., D.Sc., on The		cesses in Portland cement manufacture, 2;	
spray process of slurry feed	201	on Dry and wet process: fuel consumption	
Bogg, F. R., on "False set" of cement	255	and kiln efficiency, 65; on N. V. Eerste Neder-	
Brandenburg H. R., on "False set" of Port-		landsche Cementindustrie	111
land cement	96	Reid-Kellett, A., on Sampling raw materials for	
Butler, D. B., A.M.Inst.C.E., F.C.S., on The		cement manufacture	202
future of cement testing	62	Schmitt, F. E., A.M.I.Mech.E., on Burning in	
Davis, A. C., M.I.Mech.E., M.Inst.C.E.I.,		cement kilns	149
F.C.S., on Raw materials for Portland cement		Slee, F. J., B.A., B.Sc., on Lubrication of	
manufacture, 23, 40, 119, 151, 179; on		cement works	84
Capital costs and costs of manufacture, 192;		Worsdale, J. E., A.R.C.Sc., B.Sc., on Effect of	
on Filters for de-watering slurry, 219; on		delay in placing concrete	223
Burning or calcining, 238; on The reactions		Boilers fitted with electrical dust-removing plant,	
in burning cement, 303; on Heat balance in		Waste-heat	261
rotary kilns	333		

	PAGE
Burning cement, Reactions in, by A. C. Davis	303
Burning in cement kilns, by F. E. Schmitt	149
Burning clinker, Effect of fuel and air mixture in	333
Burning or calcining, by A. C. Davis	338
Calcium chloride and cement, by C. R. Platzmann	99
Calcium sulphate and its action on the mechanical properties of cement	251
Capital costs and costs of manufacture, by A. C. Davis	192
Cellular cement mortars, Experiments on, by C. R. Platzmann	263
Cement bacillus, The	237
Cement—a chemical manufacture	321
Chemical composition and fineness on amount of water required for mixing cement, Effect of	279
Chemo-dynamic phenomenon in cement	281
Clinker, Effect of fuel and air mixture in burning	333
Coal in the cement industry, Low-temperature distillation of	352
Coal mills and coal grinding	280
Company reports and accounts	210, 257, 316, 346
Concrete, Effect of delay in placing, by J. E. Woradale	283
Conference of German Portland cement manufacturers	279
Control in cement manufacture, Scientific	235
Corca, Cement industry in	42
Cost of manufacture of cement	289
Costs of manufacture and capital costs, by A. C. Davis	192
Cranes, Electrical equipment of	297
Crushers in cement works	137
Crystallisation forces in set Portland cement	281
Delay in placing concrete, Effect of, by J. E. Woradale	223
De-watering slurry, Filters for, by A. C. Davis	219
Distillation of coal in the cement industry, Low-temperature	352
Driers, Rotary and vertical	318
Driving cement mills from geared motors	318
Driving of cement works, Electric	15
Dry process of cement manufacture, The	310
Questions in the	318
Dry and wet process: fuel consumption and kiln efficiency, by Henry Pooley	65
Dust-removing plant, Waste-heat boilers fitted with Dutch specification for Portland cement, New	22
Egypt, Cement trade in	215
Electric driving of cement works	102
Electrical equipment at Barnstone Cement Works	297
Electrical equipment of cranes	297
Estimation of the super fraction in cement	283
Estimation and analysis of raw materials for Portland cement, by A. C. Davis	119
"False set" of Portland cement, 14, 230; by H. R. Brandenburg, 96; by F. R. Bogg	255
Filters for de-watering slurry, by A. C. Davis	219
Filters, Slurry	206
Fineness and chemical composition on amount of water required for mixing cement, Effect of	279
Fineness of cement and its strength	251
Fineness of Portland cement, Effect on its properties of	320
Fineness of Portland cement, Tests for, by S. Dickson	45
Finest fraction in cement, Estimation of the	283
Finland, Cement production in	44
Fuel and air mixture in burning clinker, Effect of	333
Fuel consumption and kiln efficiency, dry and wet process, by Henry Pooley	65
Great Britain, Cement industry in	127
Grinding cement	37, 344
Heat balance in rotary kilns, by A. C. Davis	323
High-strength cements, Comparative tests of	283
Hydraulic index of hydraulic cements	318
Imported Portland cement, Marking of	235, 270
Indian cement industry	88
Japan, Portland cement industry in	204
Kiln efficiency and fuel consumption, dry and wet process, by Henry Pooley	65
Kiln, Feeding raw meal to the rotary	319
Kiln linings	282
Kilns, Burning in cement, by F. E. Schmitt	149
Kilns, Conservation of refractory linings in rotary	344
Kilns, Heat balance in rotary, by A. C. Davis	323
Lubrication of cement works, 271; by F. J. Slee	84
Manufacture, Scientific control in cement	235
Marking of imported Portland cement	225, 270

	PAGE
Materials for cement manufacture, Sampling raw, by A. Reid-Kellett	302
Materials for Portland cement, Tests for proportioning raw, by A. C. Davis	23, 49, 119, 151, 179
Mortars, Experiments on cellular cement, by Dr. C. R. Platzmann	263
Motors, Driving cement mills from geared	318

PATENT APPLICATIONS:

Cement	342
Cement compositions	254
Cements: plastic and coating compositions	342
Electric kilns	285
Filling bags	333
Filling and closing bags	341
Grinding, crushing, etc., mills	356, 317
Paper	342, 256
Wagon-tipping apparatus	285
Weighing and sacking apparatus	285
Power factor, Meaning of	187
Pozzolanas, Portland cement and	43
Proportioning raw materials for Portland cement, Tests for, by A. C. Davis	151
Pulveriser, A modern	145
Raw materials for cement manufacture, Sampling, by A. Reid-Kellett	302
Raw materials for Portland cement, Tests for proportioning, by A. C. Davis	23, 49, 119, 151, 179
Raw meal to the rotary kiln, Feeding	319
Refractory linings in rotary kilns, Conservation of	344
Research in the cement industry, Scientific	289
Researches, Recent	280
Retarders, Investigation of effect of	232
Retempered concrete	213
Robinson, The late Mr. S. G.	6
Russian developments in cement manufacture	222
Sampling raw materials for cement manufacture, by A. Reid-Kellett	302
Sedimentation apparatus, Simple	318
"Set" of cement, False, 14, 230; by F. R. Bogg	255
Setting of Portland cement	281
Setting-time test, Suggestions for a new	214
Shaft-kiln practice, Present-day	319
"Sickness" of certain concretes of aluminous cement	283
Sieve cloth and sieve analysis	319
Silo question in the dry process of cement manufacture, The	318
Slag cements, Effect of zinc and zinc oxide on the initial hardening of	318
Slurry feed, The spray process of, by S. J. M. Auld	291
Slurry filters	206
Slurry, Filters for de-watering, by A. C. Davis	219
Soundness. Tests for cement	129
Specification, New Dutch, for Portland cement	22
Spray process of slurry feed, The, by S. J. M. Auld	291
Steel, New method of hardening	136
Storage of Portland cement	284
Strength of cement and its fineness	251
Temperature on cement, Effect of	159
Test, Suggestions for a new setting-time	214
Testing, Future of cement, by D. B. Butler	62
Tests for cement soundness	129
Tests of high-strength cements, Comparative	283
Testing of plastic mortars	279
Tests for proportioning raw materials for Portland cement, by A. C. Davis	151
United States, Cement production in the	322
Waste-heat boilers with electrical dust-removing plant	251
Wet and dry process: fuel consumption and kiln efficiency, by Henry Pooley	65
Wet and dry processes in Portland cement manufacture, by Henry Pooley	2
Wet process works, New, in U.S.A.	280
White Portland cement	95

WORKS DESCRIPTIONS (Illustrated):

Barnstone Portland Cement Works	197
Chinnor Cement and Lime Company	171
Holborough Works, Kent	7
Keystone Portland Cement Co., Bath, Pa.	69
Japla Works of the Sone Valley Portland Cement Co., Ltd.	328
Johnson's Cement Works, Greenhithe	97, 161
N. V. Eerste Nederlandsche Cementindustrie	111
Sociedad Boliviana de Cemento (Bolivian Cement Company)	106
Zinc and zinc oxide, Effect of, on the initial hardening of slag cements	318

